

INFORMATION DISCLOSURE CITATION
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Docket Number (Optional) PM 98.079	Application Number 09/819,332
Applicants R. Varadaraj et al.	
Filing Date March 28, 2001	Group Art Unit 1751

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL	REF	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
		2,241,273	5/6/41	Robinson et al.	507	102	
		2,300,590	11/3/42	O'Brien	507	102	
		2,996,450	08/15/61	Zech et al	507	103	
		3,108,441	10/29/63	Watson	61	36	
		3,149,669	9/22/64	Binder, Jr. et al.	166	400	
		3,208,515	9/28/65	Meadors	166	268	
		3,330,348	7/11/67	Hardy et al.	166	268	
		3,356,138	12/5/67	Davis Jr. et al.	507	202	
		3,380,531	04/30/68	McAuliffe et al.	166	45	
		3,386,514	6/4/68	Weber	166	42	
		3,412,792	11/26/68	Parker et al.	166	9	
		3,443,640	05/13/69	Klein	166	294	
		3,472,319	10/14/69	McAuliffe	166	270	
		3,490,471	01/20/70	Carlin	137	13	
		3,509,951	05/05/70	Enochs	175	70	
		3,630,953	12/28/71	Simon et al.	252	312	
		3,707,459	12/26/72	Mason et al.	208	76	
		3,721,295	3/20/73	Bott	166	294	
		3,749,171	07/31/73	Marx	166	274	
		3,796,266	03/12/74	Carlin et al.	166	305 R	
	3,804,760	4/16/74	Darley	252	8.55 R		
	3,818,989	6/25/74	Christopher, Jr. et al.	166	275X		
	3,866,680	02/18/75	Dauben	166	273		
	3,929,190	12/30/75	Chang et al.	166	274		
	3,965,986	06/29/76	Christopher	166	292		
		3,980,136	9/14/76	Plummer, et al	507	202	
		3,996,180	12/7/76	Kane	260	29.6H	

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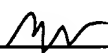



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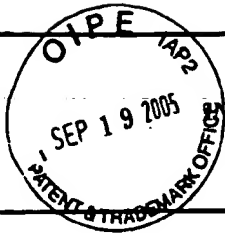
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  		4,012,329	03/15/77	Hayes et al.	516	22		
		4,034,809	07/12/77	Phillips et al.	166	270		
		4,083,403	04/11/78	Carlin et al.	166	252		
		4,085,799	04/25/78	Bousaid et al.	166	272		
		4,096,914	06/27/78	McLaughlin et al.	166	307		
		4,100,966	07/18/78	Bousaid	166	273		
		4,192,753	03/11/80	Pye et al.	252	8.5A		
		4,216,828	08/12/80	Blair	166	274		
		4,219,082	08/26/80	Kalfoglou	166	273		
		4,233,165	11/11/80	Salathiel et al.	507	937X		
		4,274,956	6/23/81	Stewart	210	638		
		4,276,935	07/7/81	Hessert et al.	166	294X		
		4,298,455	11/03/81	Huang	208	48		
		4,359,391	11/16/82	Salathiel et al.	507	277		
		4,384,997	05/24/83	Detroit	260	124		
		4,391,925	07/05/83	Mintz et al.	523	130		
		4,411,770	10/25/83	Chen et al.	208	111		
		4,475,594	10/09/84	Drake et al.	166	294		
		4,488,602	12/18/84	Lepper	166	274		
		4,505,828	3/19/85	Lipowski et al.	166	267		
	4,525,285	06/25/85	Son et al.	252	8.5M			
	4,592,830	06/03/86	Howell et al.	208	94			
	4,659,453	04/21/87	Kukes et al.	208	108			
	4,705,110	11/10/87	Balzer	166	274			
	4,706,749	11/17/87	Hayes at al.	166	267			
	4,732,213	03/22/88	Bennett et al.	166	292			
	4,741,401	05/03/88	Walles et al.	166	300			
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		4,780,243	10/25/88	Edgley et al	507	202	
		4,790,382	12/13/88	Morrow et al.	166	274	
		4,856,588	08/15/89	Borchardt	166	273	
		4,888,108	12/19/89	Farnand	208	424	
		4,966,235	10/30/90	Gregoli et al.	166	267	
		5,031,698	07/16/91	Borchardt et al.	166	272	
		5,080,809	1/14/92	Stahl et al.	252	8.554	
		5,083,613	1/28/92	Gregoli et al.	166	275	
		5,095,986	03/17/92	Naae et al.	166	274	
		5,294,353	3/15/94	Dill	166	275	
		5,302,293	4/12/94	Kaplan et al.	210	701	
		5,360,558	11/1/94	Pakulski et al.	507	202	
		5,373,901	12/20/94	Norman et al.	166	300	
		5,424,285	6/13/95	Stacy et al.	507	202	
		5,490,940	2/13/96	Bragg et al.	210	671	
		5,499,677	03/19/96	Cowan	166	293	
		5,603,863	02/18/97	Dahms	516	22	
		5,780,395	07/14/98	Sydansk	507	202	
		5,820,750	10/13/98	Blum et al.	208	263	
		5,834,406	11/10/98	Sydansk	507	202	
		5,836,390	11/17/98	Apps et al.	166	281	
		5,942,469	08/24/99	Juprasert et al.	507	202	
		5,948,242	09/07/99	Ohsol et al.	208	181	
		5,964,906	10/12/99	Layrisse et al.	44	302	
		5,985,177	11/16/99	Yoshida et al.	252	309	
		6,022,471	02/08/00	Wachter et al.	208	120	
		6,035,933	03/14/00	Khalil et al.	166	263	

EXAMINER

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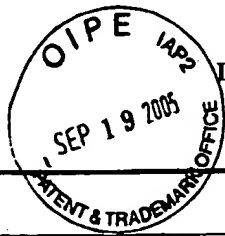
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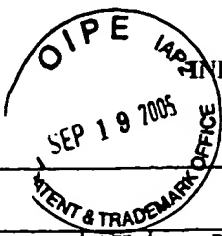
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		6,059,036	05/09/00	Chatterji et al.	166	294	
		6,069,178	05/30/00	Layrisse et al.	516	50	
		6,105,672	08/22/00	Deruyter et al.	166	270.1	
		6,162,766	12/19/00	Muir et al.	507	267	
		6,225,262	05/01/01	Irwin et al.	507	203	
		6,227,296	05/08/01	Reppert et al.	166	305.1	
		6,291,406	09/18/01	Rose et al.	507	239	
		6,302,209	10/16/01	Thompson, Sr. et al.	166	305.1	
		6,325,147	12/04/01	Doerler et al.	166	252.1	
		6,410,488	6/25/02	Fefer et al.	507	103	
		6,544,411	04/8/03	Varadaraj	208	265	
		6,569,815	05/27/03	Varadaraj	507	269	
		6,632,778	10/14/03	Ayoub et al.	507	202	
		6,716,282	4/06/04	Griffith et al.	106	705	
		6,800,193	10/5/04	Varadaraj	208	106	
		US 2003/0139299	07/24/03	Bragg et al.	507	200	
		US 2003/0220204	11/27/03	Baran, JR. et al.	507	200	
		US 2004/0014821	01/22/04	Varadaraj	516	53	

FOREIGN PATENT DOCUMENTS

	REF	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCL ASS	Translation	
							YES	NO
		849884	08/25/70	Canada				
		0 130 632 A2	01/9/85	Europe	C 08 F 2	32		
		0 175 511 B1	01/06/88	Europe				
		SU 1682539 A1	11/13/89	Union of Soviet Socialist Republics	E21 B 43	22	X	
		2,044,473	12/14/92	Canada	E21 B-043	24		

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REF	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCL ASS	Translation	
						YES	NO
M	SU 1796013 A3	2/15/93	Union of Soviet Socialist Republics	E21 B 43	40	X	
	WO 95/23909	09/08/95	PCT			Abstract only	
	RU 2057914 C1	4/10/96	Russia	6 E21 B 43	22	X	
	WO 98/53181	11/26/98	PCT				
	WO 01/81502 A2	11/01/01	PCT				
	WO 01/81502 A3	11/01/01	PCT				
	WO 01/81718	11/01/01	PCT				
	WO 03/057793	7/1703	PCT				
	WO 03/100214 A1	12/04/03	PCT				

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

M	Bragg, J. R. et al., "Recent Applications of the Single Well Tracer Method for Measuring Residual Oil Saturation," SPE of AIME, Mid-Continent Section, Improved Oil Recovery Symposium Preprint, No. SPE-5805, pp. 103-113 (1976).
	Bragg, J. R. et al., "Loudon Surfactant Flood Pilot - Overview and Update," 3 rd SPE of AIME Middle East Oil Show Conf. (Baharain, 3/14 -17/83) Proc., pp. 525-536 (1983) (SPE11505).
	Bragg, J. R. et al., "Measuring Well Injection Profiles of Polymer-Containing Fluids," 3 rd Joint SPE/DOE Enhanced Oil Recovery Symposium (Tulsa, 4/4 -7/82) Proc., pp. 953-962 (1982) (SPE/DOE 10690).
	Bragg, J. R. et al., "Loudon Surfactant Flood Pilot Test," 3 rd Joint SPE/DOE Enhanced Oil Recovery Symposium (Tulsa, 4/4 -7/82) Proc., pp. 933-952 (1982) (SPE/DOE 10862).
	Bragg, J. R., "In Situ Measurement of Residual Oil Saturation," 23 rd Annual Southwestern Petroleum Short Course Assoc. Mtg., Proc. pp. 183-189 (1976).
	Bragg, J. R. et al., "Control of Xanthan-Degrading Organisms in the Loudon Pilot: Approach, Methodology, and Results," 58 th Annual SPE of AIME Tech. Conf. (San Francisco 10/5-8/83) Preprint No. SPE 11989, 12 pages (1983).
	Broz, J.S. et al., "Blocking Of High Permeability Zones In Steamflooding By Emulsions", <i>Third International Conference on Heavy Crude and Tar Sands</i> , (July 22-31, 1985) Vol. 1, pp. 443-451.
M	Chen, Techlen et al., "Laboratory And Field Evidence Of Emulsion Flow In Porous Media", <i>CIM/AOSTRA 1991 Technical Conference</i> (April 21-24, 1991) Paper No. CIM/AOSTRA 91-78, pp. 78-1 to 78-14.

EXAMINER

DATE CONSIDERED

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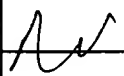



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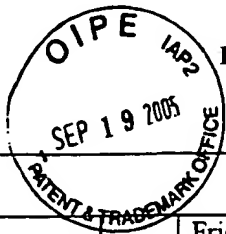
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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

	Chung, Keng H. and Butler, Roger M. "In-Situ Emulsification By The Condensation Of Steam In Contact With Bitumen", <i>39th Annual Technical Meeting of the Petroleum Society of CIM</i> (June 12-16, 1988) Paper No. 88-39-18 pp. 18-1 to 18-17.
	Civan, F. et al., "Characterization of Corrosion-Inhibiting Emulsions for Continuous Well Treatment," SPE International Oilfield Symposium, Houston, Texas, Feb. 16-19, 1999, SPE 50719, pp. 191-206, (1999).
	Civan, F. and Weers, Jerry J., "Laboratory and Theoretical Evaluation of Corrosion-Inhibiting Emulsions," SPE Production & Facilities vol. 16 (4), pp. 260-266 (2001) (SPE 74271).
	ABSTRACT OF: Czarnecki, J. et al., "Emulsion Studies Associated with Bitumen Recovery from Canadian Oil Sands: Part I," AICHE Spring Nat. Mtg. (March 10-14, 2002) (ABSTRACT ONLY).
	Des Brisay et al., "Pumping Heavy Oils With The Aid of Downhole Oil-In-Water Emulsification," 38 th Annual CIM Petroleum Soc. Tech. Mtg. (Calgary, Canada, 6/7-10/87), Preprints V. 1, pp. 297-309 (1987) (Paper No. 87-38-16).
	De Vries, Arnold S. and Wit, Krijn, "Rheology of Gas/Water Foam in the Quality Range Relevant to Steam Foam, SPE 18075 (May 1990). (Original SPE manuscript received for review Oct. 2, 1988. Paper accepted for publication June 23, 1989. Revised manuscript received Aug. 30, 1989. Paper (SPE 18705) first presented at the 1988 SPE Annual Technical Conference and Exhibition held in Houston, Oct. 2-5.)
	Dieken, F.P et al., "Methods Manual For Chemical Analysis Of Water And Wastes", Alberta Research Council (Updated Oct. 1, 1996) pp. 1-4.
	Dotson, C., Huff and R., Haskin, S. R., "Report on the Start-up of a Unique Hydrocyclone-Based System for Treating Produced Water", <i>Produced Water 2</i> , Plenum Press, pp. 431-445, (1996).
	Farrell, James and Marsden, Jr., S. S., "Foam and Emulsion Effects on Gas Driven Oil Recovery," SUPRI-TR-62, DOE/BC/14126-3, Performed Under Contract No. FG19-87BC14126 and AC03-81SF11564 (November 1988).
	Felian, B. et al., "Investigation of Crude Oil-Water Emulsions in Presence of Non-Ionic Surfactants, I. Behavior of Emulsions at Room Temperature and in Ion-Free systems", <i>Acta Physica et Chemica</i> , v 29 (3-4), pp. 223-232, (1983).
	Felian, B. et al., "Investigation of Crude Oil-Water Emulsions in Presence of Non-Ionic Surfactants, II. Behavior of Emulsions at Elevated Temperatures, and Emulsification of Crude Oil Fractions", <i>Acta Physica et Chemica</i> , v 30 (3*4), pp. 183-192, (1984).
	Fiori, Marco and Farouq Ali, S.M. "Optimal Emulsion Design For The Recovery Of A Saskatchewan Crude", <i>40th Annual Technical Meeting of the Petroleum Society of CIM</i> (May 28-31, 1989) Paper No. 89-40-43, pp. 43-1 to 43-28.
	Fraim, M.L. et al., "Laboratory Testing and Simulation Results for High Pressure Air Injection in a Waterflooded North Sea Oil Reservoir," SPE 38905, SPE Annual Technical Conference & Exhibition, San Antonio, U.S.A. (October 5-8, 1997).
	French, T. R. et al., "Use of Emulsion for Mobility Control During Steamflooding," 56 th Annu SPE Calif Reg Mtg (Oakland, Calif, 4/2-4/86) Proc V. 1 pp. 43-54 (1986) (SPE-15052).

EXAMINER 	DATE CONSIDERED 11/22/05
---	-----------------------------

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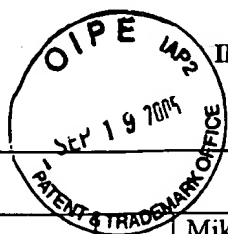
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

- Friesen, W.I. and Levine, S. "Electrostatic Interaction between Two Water-in-Oil Emulsion Droplets in an Electric Field", Journal of Colloid and Interface Science, Vol. 150 No. 2 (May 1992) pp. 517-527.
- "Fundamental Processes," CPGE Fundamental Processes Staff Other CPGE Research, <http://www.cpge.utexas.edu/fp>, pp. 1-3, printout dated July 17, 2003.
- Garthoffner, E. H., "The Role of Oil-in-Water Emulsions in Thermal Oil Recovery Processes", SPE OF AIME California Regular Meeting, SPE 7952, 8 pp, (April 1979).
- Gotbunov, A. T. et al., "In Situ Emulsification During Thermal Alkali Flooding", Neft Khoz No. 7, pp. 42-45, (July 1984).
- ABSTRACT OF: Gotbunov, A. T. et al., "In Situ Emulsification During Thermal Alkali Flooding", Neft Khoz No. 7, pp. 42-45, (July 1984).
- Hall, B. E. and Lasater, R. M., "Surfactants for Well Stimulation", 159th Natl. American Chemical Society Meeting, (Feb. 1970).
- Heathman, James et al., "New Test Procedures Optimize Surfactant Blends", Oil & Gas Journal v. 97 (40), pp. 71-74, (1999).
- Humenick, Michael J. et al., "High Rate Filtration of Solids-Stabilized Oil-In-Water Emulsions," Technical Report CRWR-105, EHE-73-06, University of Texas, Austin (December 1973).
- Henry, Deborah and Fuhr, Bryan, "Preparation of Bitumen from Oil Sand by Ultracentrifugation," Fuel, 71(12), 1515-18 (1992).
- "Improved Displacement and Sweep Efficiency in Gas Flooding," CPGE Reservoir Engineering, http://www.cpge.utexas.edu/re/gas_flooding.html, pp 1-2, printout dated July 17, 2003.
- Kimmel, T. B., "Heavy Oil Emulsion Treating in Canada," 3rd Int'l Unitar/UNDP Heavy Crude & Tar Sands Conf. (Long Beach Calif., 7/22-31/85) Preprints V. 4, pp. 1970-1979 (1985) (Paper No. HCTS/CF 3/15 6).
- Levine, S. and Bowen, B.D. "Capillary interaction of spherical particles adsorbed on the surface of an oil/water droplet stabilized by the particles. Part I", *Colloids and Surfaces*, 59 (1991) pp. 377-386.
- Levine, S. and Bowen, B.D. "Capillary interaction of spherical particles adsorbed on the surface of an oil/water droplet stabilized by the particles. Part II", *Colloids and Surfaces*, 65 (1992) pp. 273-286.
- Leuchenberg, Christian et al., "Development and Performance of Surface Equipment for high Temperature Underbalance Drilling in a Sour, Severely Under Pressure Formation," Energy Sources Technology Conference & Exhibition, ASME, ETCE99-6618 (1999).
- ABSTRACT OF: Masliyah, Jacob et al., "Emulsion Studies Associated with Bitumen Recovery from Canadian Oil Sands: Part I," Pre-print Archive, American Institute of Chemical Engineers, Spring National Meeting, pp. 1648-1654, (March 11-14, 2002) (ABSTRACT ONLY).
- Mendoza, Humberto et al., "Effect Of Injection Rate On Emulsion Flooding For A Canadian And A Venezuelan Crude Oil", *CIM/AOSTRA 1991 Technical Conference* (April 21-24, 1991) Paper No. CIM/AOSTRA 91-26, pp. 26-1 to 26-6.
- Menon, V.B. and Wasan, D.T. "Characterization of Oil-Water Interfaces Containing Finely Divided Solids with Applications to the Coalescence of Water-in-Oil Emulsions: A Review", *Colloids and Surfaces*, 29 (1988) pp. 7-27.

EXAMINER

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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

- Mikula, R.J. et al., "Microscopic Characterization of Emulsion Interfaces", *1989 Eastern Oil Shale Symposium* (November 15-17, 1989) Institute for Mining and Minerals Research, University of Kentucky, pp. 287-292.
- Pal, R. et al., "Rheology of Clay-in-Oil Suspensions with Added Water Droplets," *Chemical Engineering Science*, Vol. 47, No. 5, pp. 967-70 (April 1992).
- Petroleum Engineering Department, Colorado School of Mines, "Foam and Conformance Technologies (FACT)," *FACT News*, <http://www.mines.edu/research/fact/indexold.html>, pp. 1-7 (May 1996).
- Preuss, K. and Wu, Y. S., "On PVT - Data, Well Treatment, and Preparation of Input Data for an Isothermal Gas-Water-Foam Version of MULKOM," Earth Sciences Division, Lawrence Berkeley Laboratory, Univ. of Calif., Prepared for Gas Research Institute, GRI Contract Number 5086-271-1160 (August 1988).
- Price-Smith, C. et al., "Laboratory Development of a Novel, Synthetic Oil-Based Reservoir Drilling and Gravel-Pack Fluid System that Allows Simultaneous Gravel-Packing and Cake-Cleanup in Open-Hole Completions", *SPE Asia Pacific Oil & Gas Conference*, SPE64399, 6 pp., (2000).
- Rege, S.D. and Fogler, H.S. "A Network Model for Deep Bed Filtration of Solid Particles and Emulsion Drops", *AIChE Journal*, Vol. 34, No. 11 (November 1988) pp. 1761-1772.
- Reilly, Bernard T. and Scott, George R., "Cold Lake Recovery and the Role of Foamy Emulsion," *SPE 30287*, International Heavy Oil Symposium, Calgary, Alberta, Canada (June 19-21, 1995).
- Reppert, T. R. et al., "Second Ripley Surfactant Flood Pilot Test," 7th SPE/DOE Enhanced Oil Recovery Symposium (Tulsa, 4/22-25/90) Proc., pp. 463-474 (1990) (SPE/DOE-20219).
- Sarbar, M. et al., "The Effect of Chemical Additives on the Stability of Oil-In-Water Emulsion Flow Through Porous Media, 38th Annu CIM Petrol Soc Tech Mtg (Calgary, Canada, 6/7-10/87) Preprints V. 2, pp. 431-453 (1987) (Paper No. 87-38-25).
- Sarma, H. K. et al., "Evaluation of Emulsified Solvent Flooding for Heavy Oil Recovery," 46th Annu CIM Petrol Soc Mtg (Banff, Canada, 5/14-17/95) Proc V.2, Paper No. CIM 95-66 (1995).
- Schramm, Laurier L., "Foams Can Be Effective in the Presence of Oil," <http://www.ucalgary.ca/~schramm/foamoil.htm>, pp. 1-3 (1996).
- Soo, H. et al., "A Filtration Model For The Flow Of Dilute, Stable Emulsions In Porous Media-II. Parameter Evaluation And Estimation", *Chemical Engineering Science*, Vol. 41, No. 2 (1986) pp. 273-281.
- Sundstrom, Donald W. and Klei, Herbert E. "Wastewater Treatment", *Department of Chemical Engineering, The University of Connecticut* (1979) pp. 10-13.
- Takamara, K. and Chow, R., "The Stability of Bitumen Emulsion", *Energy Process* v. 74, No. 7, pp. 29-31, (Sept-Oct 1982).
- Thomas, F. Brent et al., "Water Shutoff Treatments - Reduce Water and Accelerate Oil Production", Paper No. 98-47, 49th Annual Technical Meeting of the Petroleum Society of CIM, Calgary, Alberta, Canada, June 8-10 (1998).

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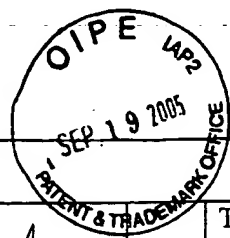
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INFORMATION DISCLOSURE CITATION
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Docket Number (Optional)	Application Number
PM 98.079	09/819,332
Applicants	
R. Varadaraj et al.	
Filing Date	Group Art Unit
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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

- Thompson, D. G. et al., "Emulsification and demulsification related to crude oil production," Colloids and Surfaces, vol. 15 (3-4) pp. 175-89 (1985).
- Tronov, V.P. and Shireyev, A.I. "Effect Of Desalinization Of Stratal Water On Rheological And Demulsification Properties Of Forming Emulsions", Tatar Scientific Research and Planning Institute of the Petroleum Industry (1991).
- United States Department of Energy Office of Fossil Energy, Project Fact Sheet, "Development of More-Efficient Gas Flooding Applicable to Shallow Reservoirs/Mega PRD," <http://dominoweb.fossil.energy.gov/domino>, pp. 1-3, printout dated July 17, 2003.
- Yan, N. et al., "On water-in-oil emulsions stabilized by fine solids," Colloids and Surfaces, A: Physicochemical and Engineering Aspects, Vol. 193, pp. 97-107 (2001).
- Yan, Zhoulin et al., "Roles of Various Bitumen Components in the Stability of Water-in-Diluted-Bitumen Emulsions," J. Colloid and Interface Science, Vol. 220, pp. 329-337 (1999).
- Yang, S.H. and Reed, R.L., "Mobility Control Using CO₂ Forms," SPE 19689, 64th Annual Technical Conference and Exhibition of the Society of Petroleum Engineers, San Antonio, TX (October 8-11, 1989).
- ABSTRACT OF: Yeung, K. "Mobility Control By Emulsions Under Bottom Water Conditions," Alberta University, MS Thesis, 1991, Masters Abstr Int V 30, No. 4, p. 1472, Winter (1992). (ABSTRACT ONLY).
- Yuan, F. and Pal, R. "Composition Measurement Of Emulsions And Emulsions With Added Solids Using A Microwave Technique", Sixth Petroleum Conference of The Petroleum Society of CIM, (October 16-18, 1995) Paper No. 95-148, pp. 1-15.
- Zhou, Z. A. et al., "Interaction of Ionic Species and Fine Solids with a Low Energy Hydrophobic Surface from Contact Angle Measurement," J. Colloid and Interface Science, Vol. 204, pp. 342-349 (1998).

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